

FIG. 1

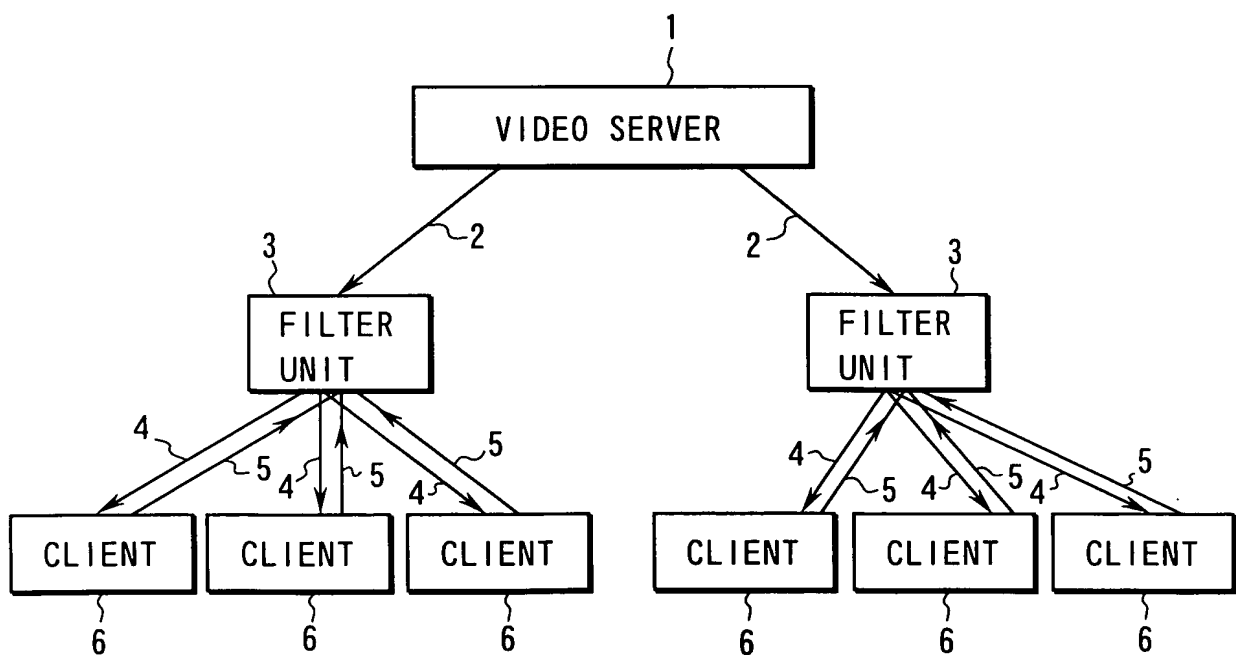


FIG. 2

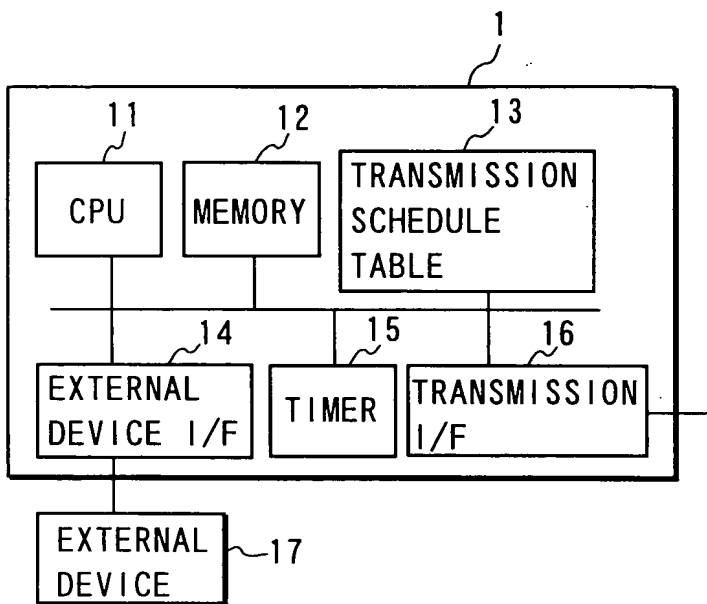


FIG. 3

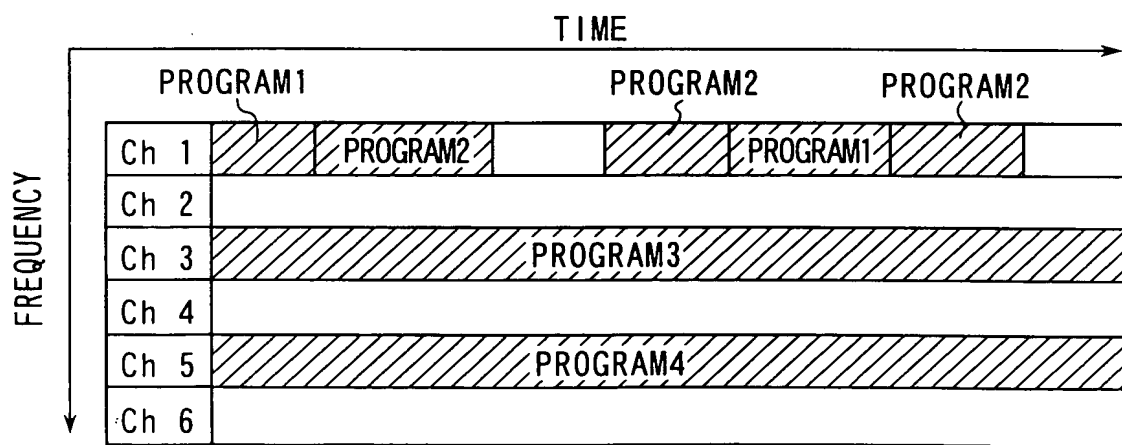


FIG. 4

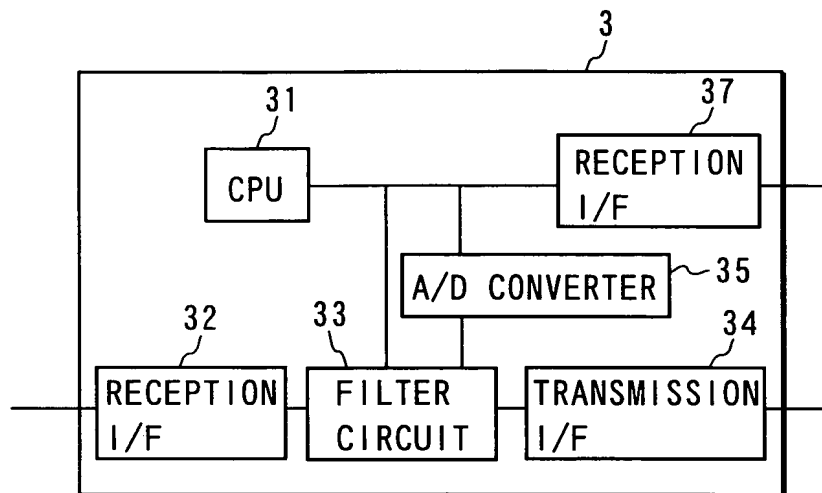


FIG. 5

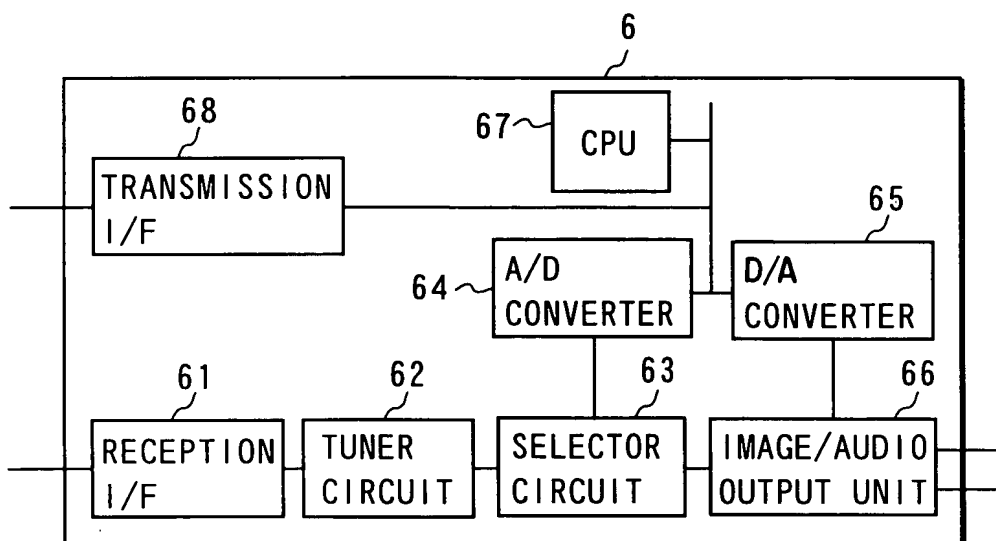


FIG. 6



FIG. 7

FIG. 8

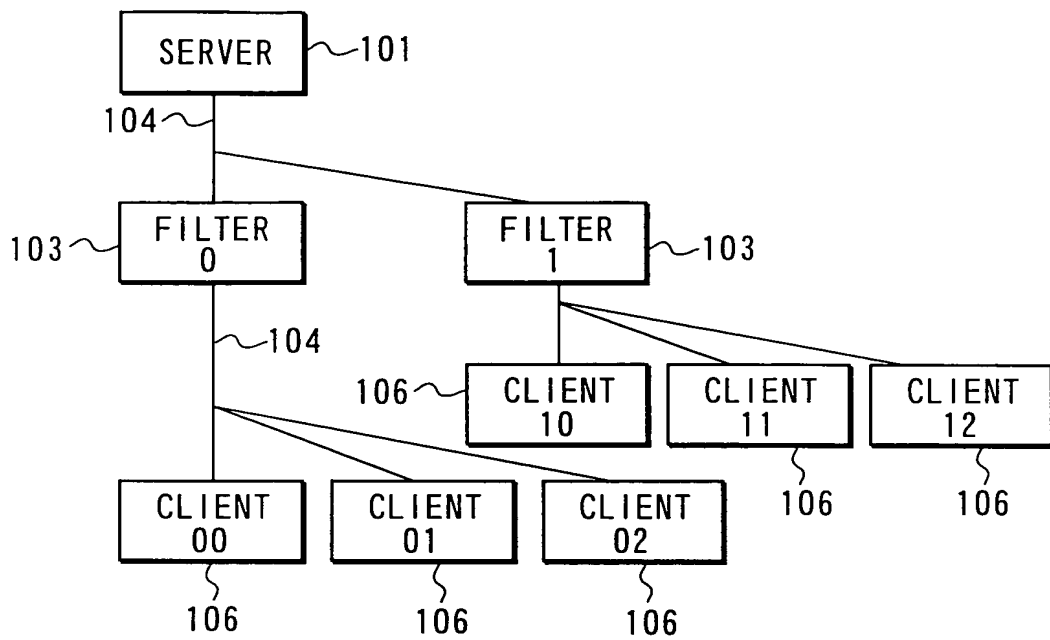


FIG. 9

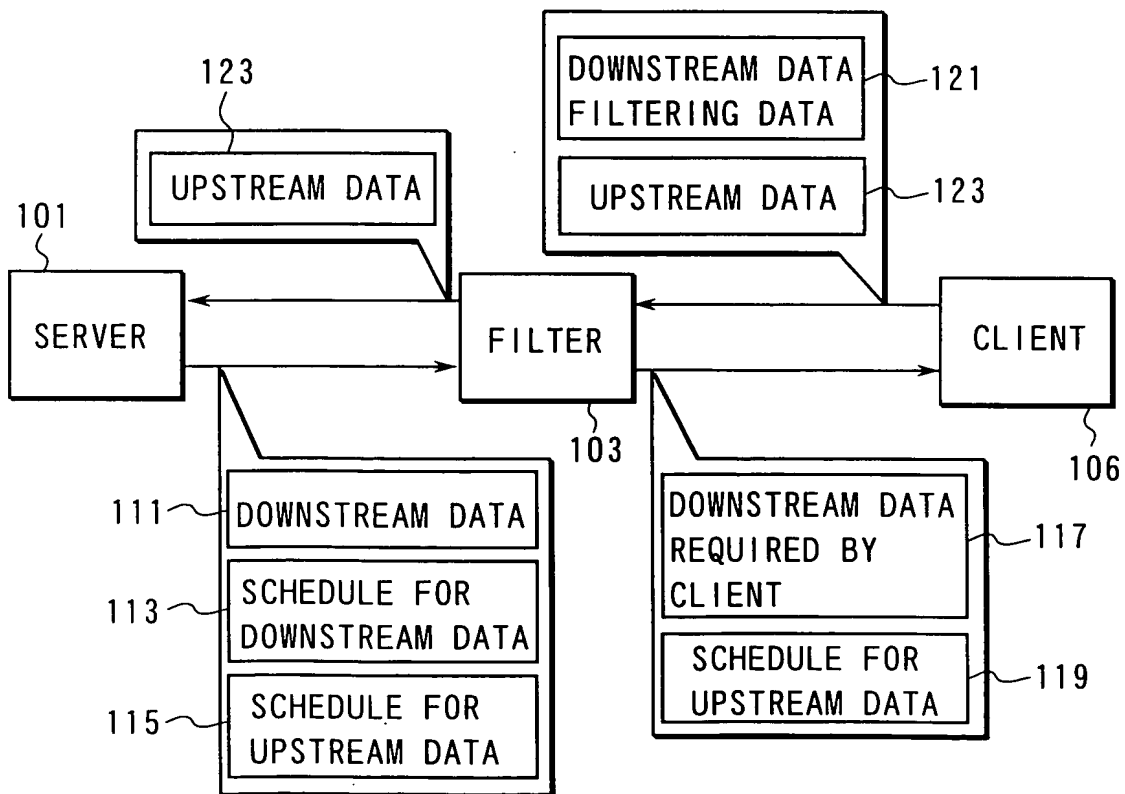


FIG. 10

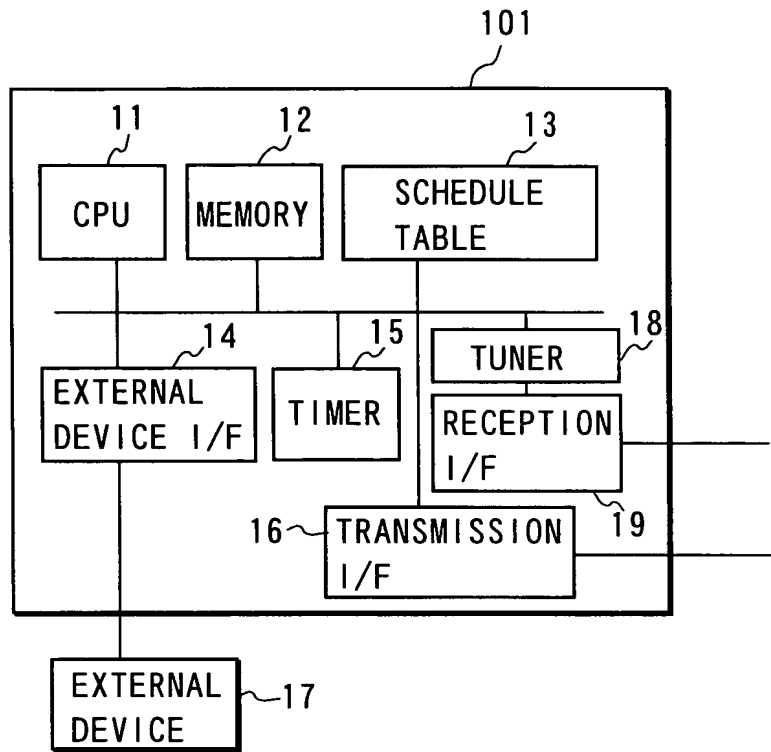


FIG. 11

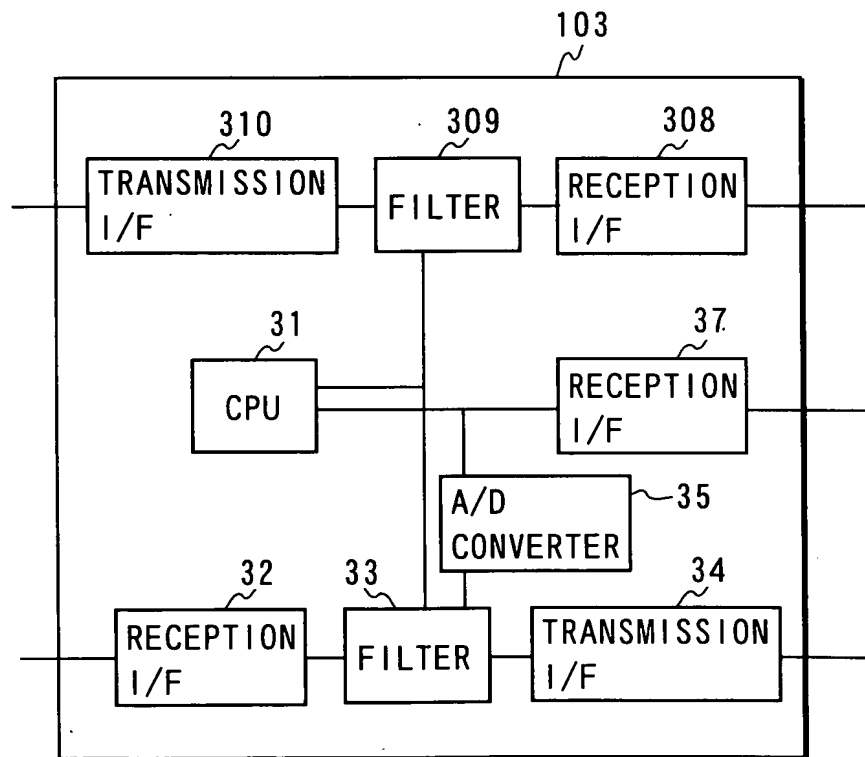
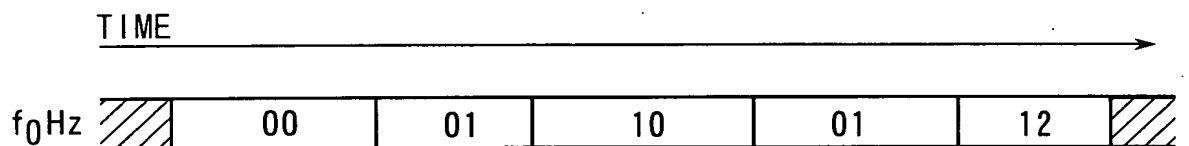
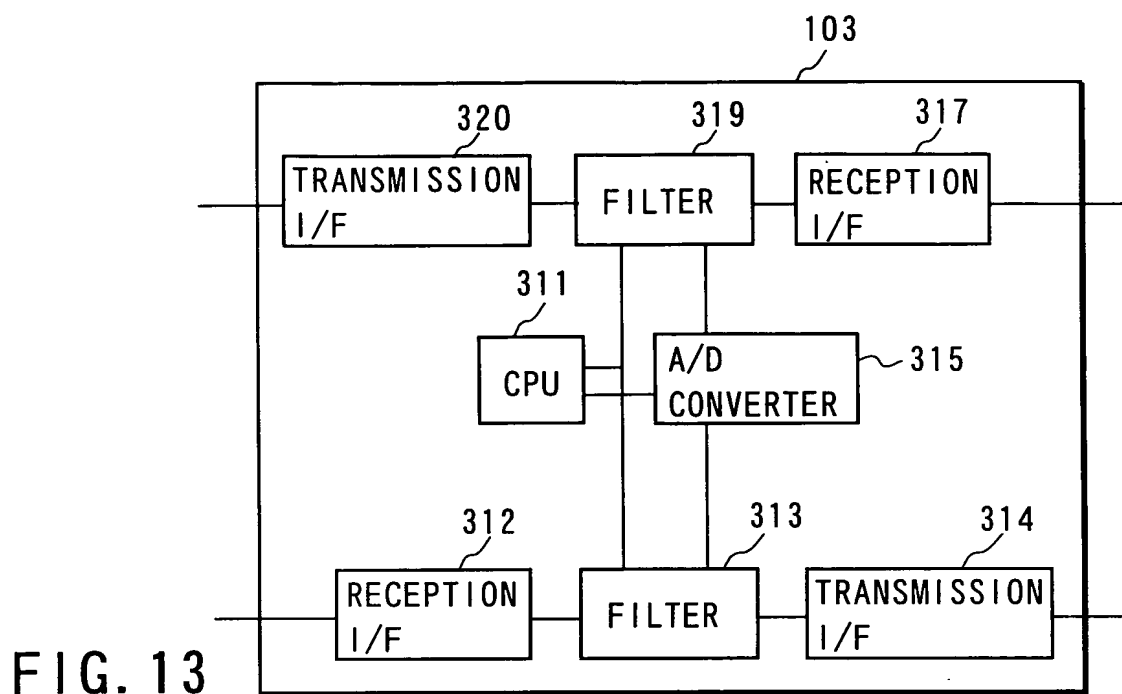
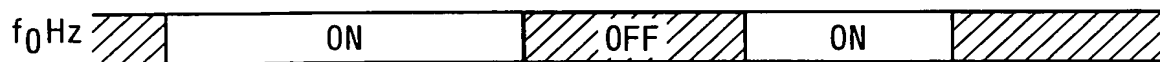


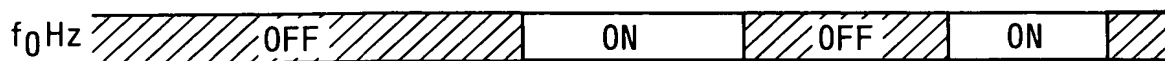
FIG. 12



EXAMPLE OF TIME SCHEDULE FOR UPSTREAM USING ONE FREQUENCY
(THE NUMBERS WITHIN SCHEDULE INDICATE TIME ASSIGNED TO
RESPECTIVE CLIENTS)









OPERATION EXAMPLE OF FILTER 0
(ON : PASS DATA OFF : INTERRUPT DATA)



OPERATION EXAMPLE OF FILTER 1
(ON : PASS DATA OFF : INTERRUPT DATA)

FIG. 14C


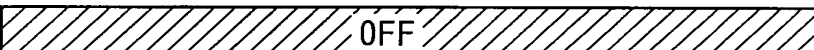
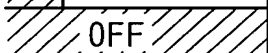

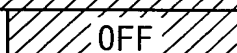
TIME 

f ₀ Hz		00		10	
f ₁ Hz		01		01	12 

EXAMPLE OF TIME SCHEDULE FOR UPSTREAM USING TWO TYPES OF FREQUENCIES

(THE NUMBERS WITHIN SCHEDULE INDICATE TIME ASSIGNED TO RESPECTIVE CLIENTS)

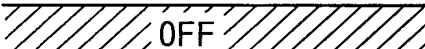

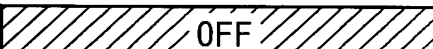


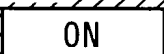

FIG. 15A

f_0 Hz		ON						OFF	
f_1 Hz			OFF	ON		OFF	ON		OFF

OPERATION EXAMPLE OF FILTER 0

(ON:PASS DATA OFF:INTERRUPT DATA)

FIG. 15B

f ₀ Hz		OFF		ON		OFF	
f ₁ Hz		OFF		OFF		ON	

OPERATION EXAMPLE OF FILTER 1

(ON:PASS DATA OFF:INTERRUPT DATA)

FIG. 15C

TIME SLOT 0	TIME SLOT 1	TIME SLOT 2	TIME SLOT 3	TIME SLOT 4
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FIG. 16